Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An active matrix display device comprising a plurality of printing dams and an array of display pixels, each pixel comprising:

a current-driven light emitting display element comprising an area of light emitting material sandwiched between electrodes;

a light-dependent device for detecting the brightness of the display element,

wherein the light-dependent device is located laterally outside of the area of the light emitting material defined by the vertical planar edges of the light emitting layer of the light emitting material, and separated from the light emitting material by at least one insulating layer,

wherein the vertical planar edges of the light emitting material are defined in a direction between a top and a bottom electrode of the light-dependent device

wherein the light dependent device is located in the same horizontal plane as the light emitting material of the light emitting display element and is configured to enclose the light emitting material on at least three sides, and

wherein the light dependent device is directly illuminated from light emitted from a side face of the light emitting display element and travels in a horizontal plane from said light emitting display to said light dependent device,

wherein the light-dependent device is substantially the same length as the dimension of an aperture of the light emitting material, and

wherein the light-dependent device is formed beneath one of said plurality of printing dams,

a drive transistor circuit for driving a current through the display element, wherein the drive transistor is controlled in response to the light-dependent device output.

2. (Previously Presented) A device as claimed in claim 1, wherein the light-dependent device comprises a photodiode.

3. (Previously Presented) A device as claimed in claim 2, wherein the photodiode comprises a PIN or NIP diode stack or a Schottky diode and top and bottom contact terminals.

4. (Previously Presented) A device as claimed in claim 3, wherein the top contact terminal extends over the top of the stack and down one side of the stack and acts as a light shield to pixels on the one side of the photodiode.

5. (Previously Presented) A device as claimed in claim 1, wherein the electrodes comprise a top substantially transparent electrode and a bottom substantially non-transparent, reflective electrode.

6. (Previously Presented) A device as claimed claim 5, wherein the bottom electrode is for reflecting light from the display element to the light dependent device.

7. (Previously Presented) A device as claimed in claim 6, wherein the bottom electrode is for reflecting light emitted at an angle great enough to reach the light dependent device.

8. (Previously Presented) A device as claimed in claim 6, further comprising a reflecting layer above the light dependent device and for reflecting light from the bottom electrode to the light dependent device.

9. (Previously Presented) A device as claimed in claim 8, wherein the device further comprises a plurality of printing dams and the light emitting material comprises a printable material.

10. (Previously Presented) A device as claimed in claim 9, wherein the reflecting layer is formed at the base of the printing dams.

11. (Previously Presented) A device as claimed in claim 9, wherein the printing dams comprise an insulating body and a conducting metal layer over the insulating body.

12. (Previously Presented) A device as claimed in claim 11, wherein the conducting metal layer provides a low resistance shunt connecting the top substantially transparent electrodes.

13. (Previously Presented) A device as claimed in claim 11, wherein the conducting metal layer defines the reflecting layer.

14. (Previously Presented) A device as claimed in claim 9, wherein the light sensitive devices are formed beneath the printing dams.

15. (Previously Presented) A device as claimed in claim 1, wherein the electrodes comprise a top substantially transparent electrode and a bottom substantially transparent electrode.

16. (Previously Presented) A device as claimed in claim 15, wherein the device further comprises an additional reflective layer beneath the bottom electrode.

17. (Previously Presented) A device as claimed in claim 16, further comprising a reflecting layer above the light dependent device and for reflecting light from the reflecting layer to the light dependent device.

18. (Cancelled)

19. (Previously Presented) A device as claimed in claim 17, wherein the device further comprises a plurality of printing dams and the light emitting material comprises a printable material.

20. (Previously Presented) A device as claimed in claim 19, wherein the reflecting layer is formed at the base of the printing dams.

21. (Previously Presented) A device as claimed in claim 1, wherein the light-dependent device extends alongside the area of light emitting material and extends along substantially the full length of one side of the area of light emitting material.

22. (Original) A device as claimed in claim 21, wherein the light-dependent device extends around an upper and lower portion of the area of light emitting material.

23. (Previously Presented) A device as claimed in claim 1, wherein the light emitting display element comprises an electroluminescent display element.